

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P524069

Luminaire Tested: **IFLD-S-SA3D-927-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524069
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-927-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (48) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

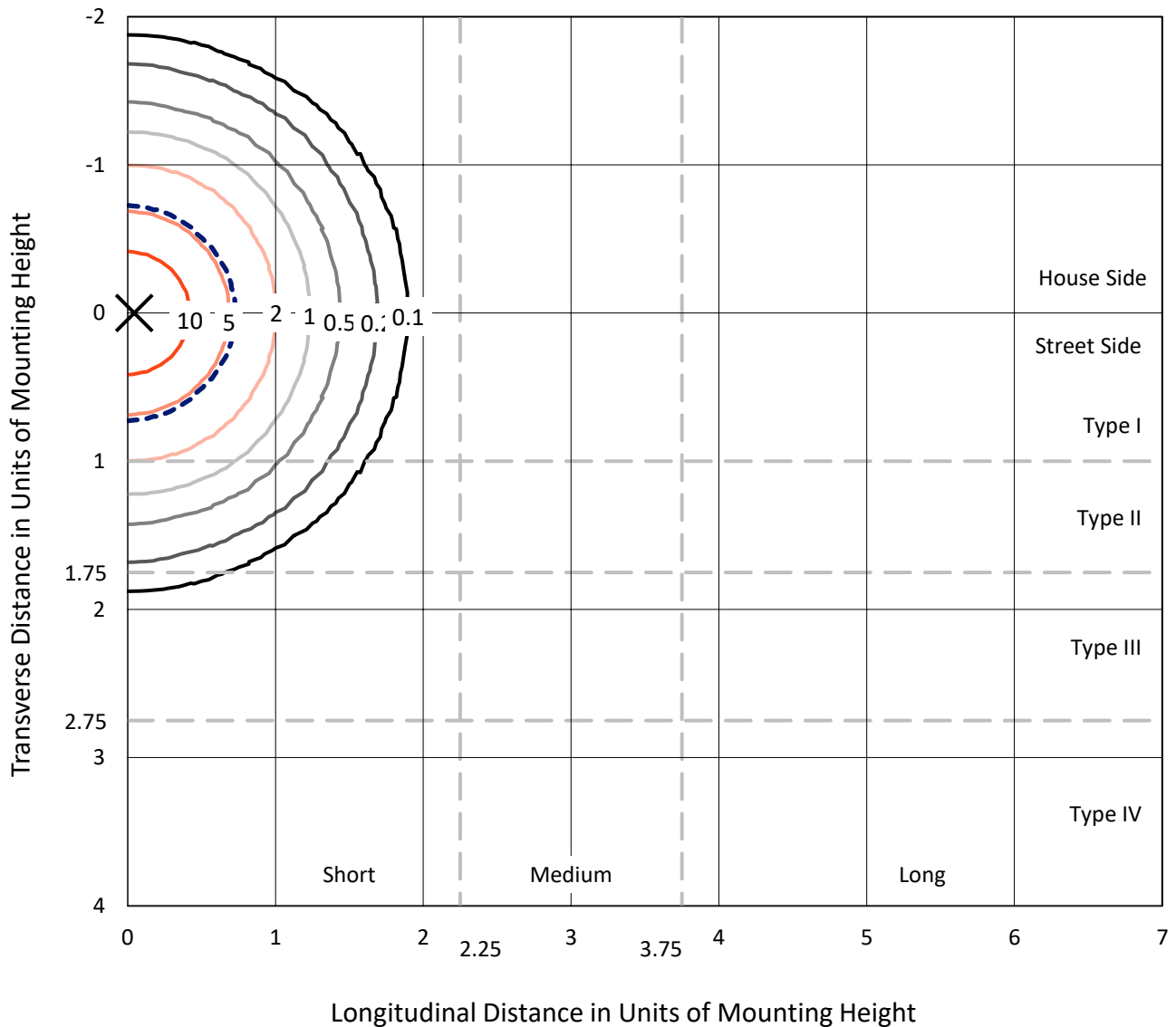
Lumens per Lamp: N/A
Luminaire Lumens: 15309.3 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 184.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

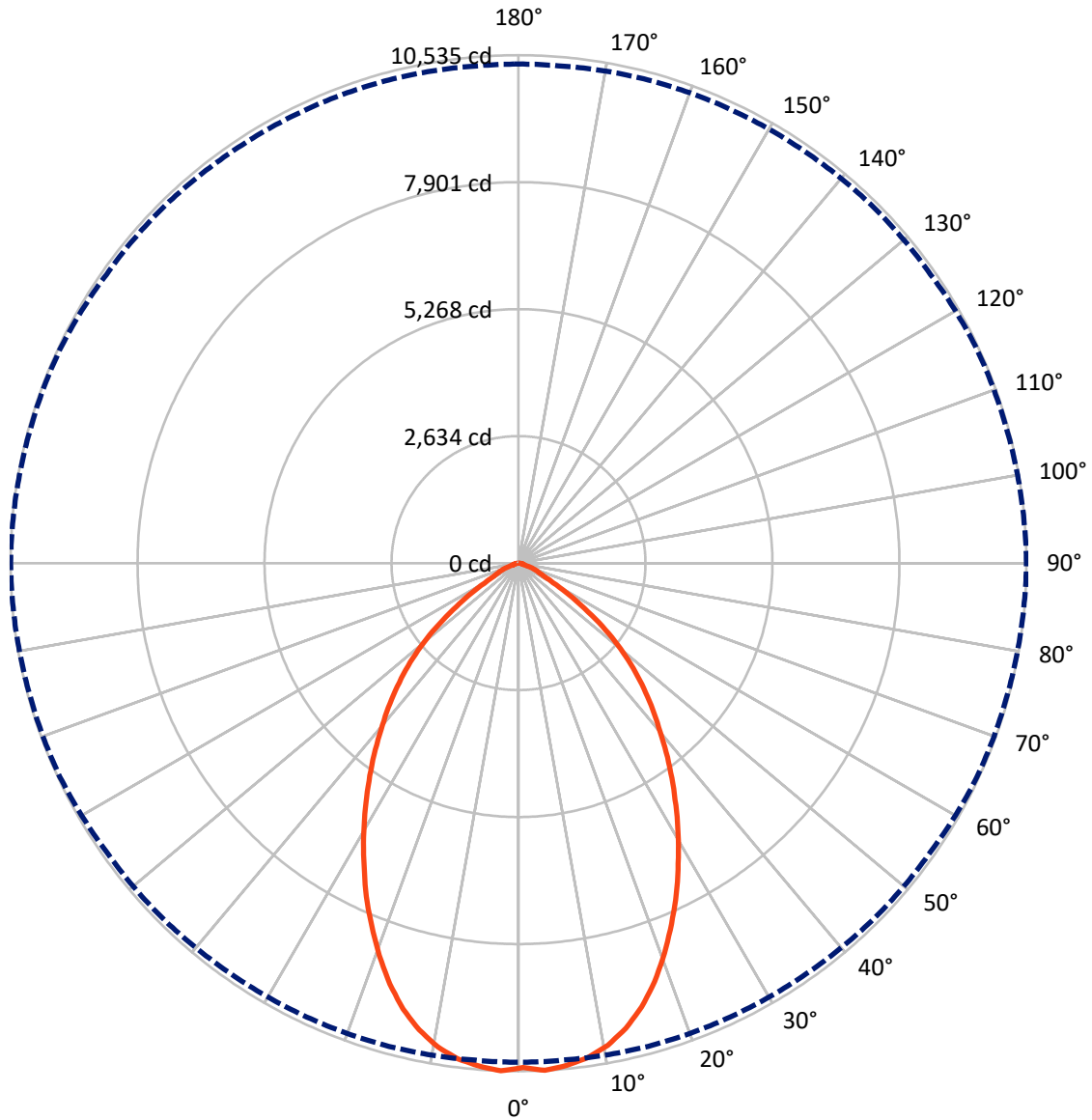
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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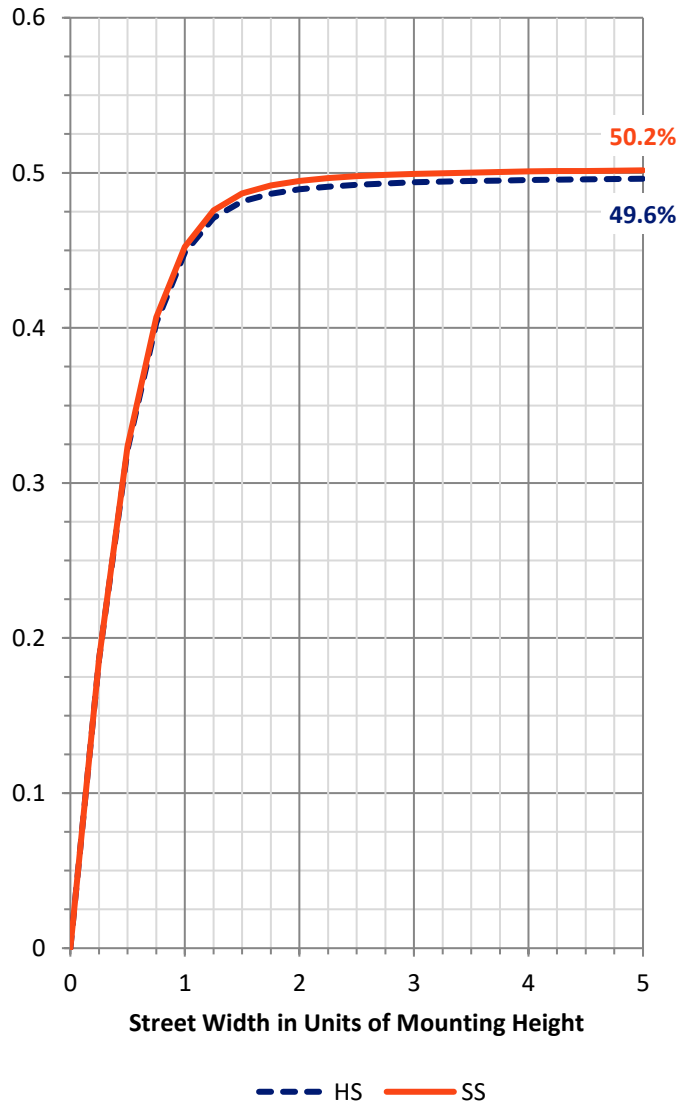
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7654.6	0.0	7654.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7654.6	0.0	7654.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	15309.3	0.0	15309.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	982.4	6.4
10°-20°	2639.6	17.2
20°-30°	3415.1	22.3
30°-40°	3368.1	22.0
40°-50°	2725.0	17.8
50°-60°	1483.7	9.7
60°-70°	470.1	3.1
70°-80°	181.9	1.2
80°-90°	43.5	0.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	15309.3	100.0
0°-180°	15309.3	100.0

Coefficient of Utilization



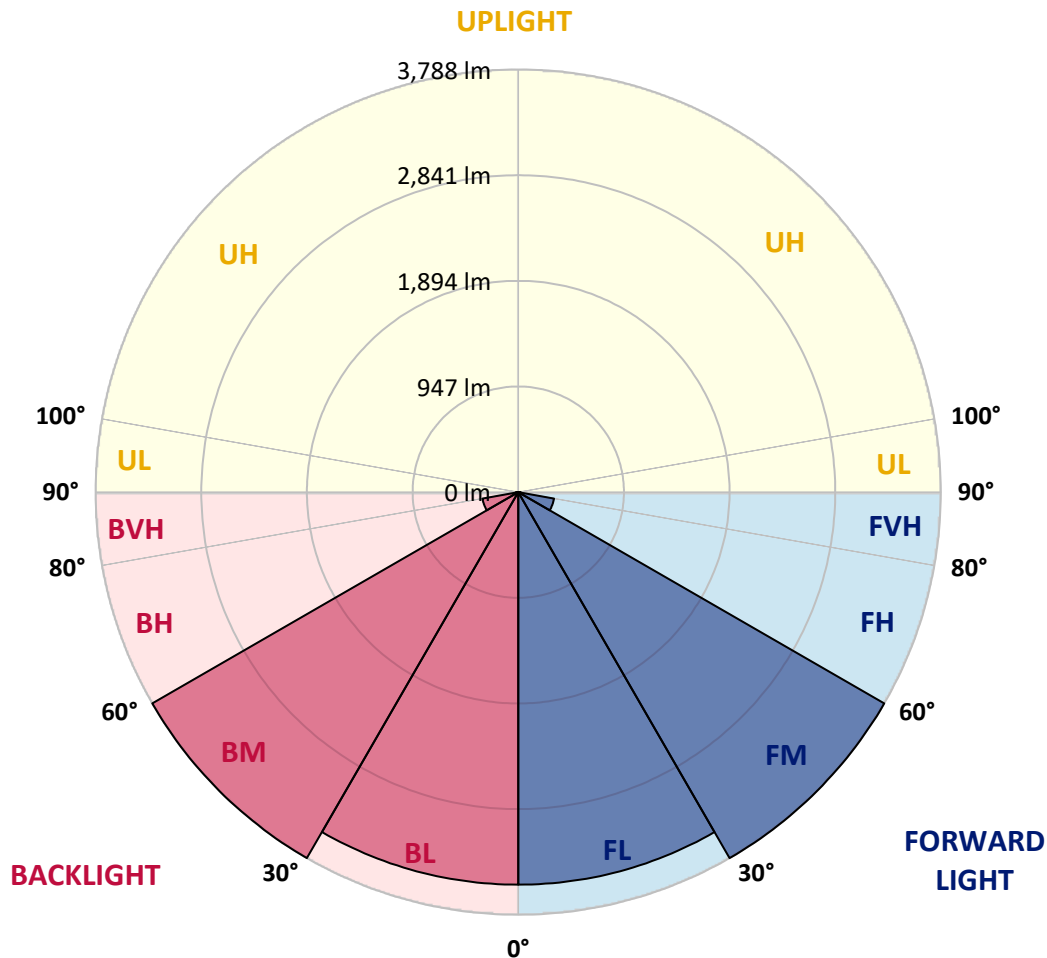
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3518.5	23.0			
FM (30°-60°)	3788.4	24.7			
FH (60°-80°)	326.0	2.1			G0/660
FVH (80°-90°)	21.7	0.1			G1/100
BL (0°-30°)	3518.5	23.0	B4/5000		
BM (30°-60°)	3788.4	24.7	B3/5000		
BH (60°-80°)	326.0	2.1	B1/500		G0/660
BVH (80°-90°)	21.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	10464.3	10464.3	10464.3	10464.3	10464.3	10464.3	10464.3	10464.3	10464.3	10464.3	10464.3
2.5°	10351.5	10349.3	10375.8	10386.9	10400.2	10426.7	10435.5	10493.0	10499.7	10521.8	10535.1
5°	10333.8	10324.9	10351.5	10355.9	10371.4	10375.8	10389.1	10428.9	10424.5	10457.7	10464.3
7.5°	10238.7	10227.6	10249.7	10254.2	10276.3	10269.7	10291.8	10320.5	10320.5	10344.9	10355.9
10°	10026.3	10024.1	10046.3	10048.5	10079.4	10072.8	10108.2	10114.8	10132.5	10150.2	10170.1
12.5°	9772.0	9743.2	9772.0	9760.9	9802.9	9778.6	9827.3	9842.8	9851.6	9882.6	9898.1
15°	9444.6	9409.2	9429.1	9418.1	9444.6	9413.7	9464.5	9495.5	9506.6	9537.5	9553.0
17.5°	9006.7	8977.9	8982.4	8966.9	8984.6	8960.2	9008.9	9057.6	9073.0	9106.2	9128.3
20°	8455.9	8455.9	8458.1	8444.9	8460.4	8436.0	8467.0	8542.2	8557.7	8601.9	8639.5
22.5°	7918.4	7918.4	7925.1	7907.4	7911.8	7900.8	7933.9	8006.9	8031.3	8077.7	8124.1
25°	7403.1	7394.2	7398.7	7383.2	7365.5	7369.9	7409.7	7456.2	7509.3	7569.0	7604.4
27.5°	6912.1	6923.1	6896.6	6885.5	6872.2	6847.9	6894.4	6951.9	6989.5	7038.1	7055.8
30°	6387.8	6410.0	6390.1	6381.2	6348.0	6317.1	6365.7	6423.2	6460.8	6507.3	6527.2
32.5°	5921.1	5914.5	5896.8	5876.9	5843.7	5819.4	5839.3	5905.7	5934.4	5983.1	5989.7
35°	5421.3	5416.8	5405.8	5366.0	5354.9	5326.2	5343.8	5401.4	5423.5	5452.2	5474.3
37.5°	4932.4	4917.0	4912.5	4897.1	4877.1	4870.5	4870.5	4901.5	4923.6	4952.3	4974.5
40°	4448.0	4452.5	4439.2	4425.9	4419.3	4410.4	4412.7	4430.3	4448.0	4461.3	4474.6
42.5°	4010.1	3985.8	3976.9	3963.6	3970.3	3981.3	3957.0	3983.6	4005.7	4005.7	4034.4
45°	3508.0	3519.1	3523.5	3545.6	3545.6	3534.5	3525.7	3539.0	3561.1	3558.9	3587.6
47.5°	3070.1	3056.8	3067.8	3101.0	3129.8	3134.2	3107.7	3114.3	3120.9	3109.9	3136.4
50°	2590.1	2594.5	2592.3	2643.2	2700.7	2680.8	2660.9	2667.5	2665.3	2665.3	2669.7
52.5°	2068.1	2079.1	2065.9	2138.9	2200.8	2185.3	2172.0	2172.0	2183.1	2180.9	2178.7
55°	1592.5	1588.1	1559.4	1594.7	1650.0	1652.3	1632.4	1641.2	1652.3	1663.3	1661.1
57.5°	1185.6	1172.3	1132.5	1134.7	1196.6	1212.1	1194.4	1192.2	1205.5	1209.9	1234.2
60°	798.5	796.3	760.9	758.7	783.0	825.0	805.1	805.1	809.5	816.2	822.8
62.5°	546.3	550.8	537.5	535.3	539.7	575.1	572.9	570.7	568.4	577.3	575.1
65°	429.1	431.3	426.9	426.9	429.1	444.6	460.1	462.3	464.5	466.7	464.5
67.5°	345.0	347.3	342.8	347.3	347.3	349.5	371.6	380.4	382.7	382.7	380.4
70°	265.4	274.3	278.7	278.7	278.7	278.7	294.2	305.2	303.0	289.8	276.5
72.5°	132.7	161.5	223.4	225.6	223.4	221.2	230.0	241.1	238.9	168.1	126.1
75°	88.5	95.1	174.7	183.6	181.4	172.5	181.4	194.6	190.2	108.4	104.0
77.5°	50.9	55.3	117.2	134.9	146.0	126.1	143.8	157.0	150.4	88.5	86.3
80°	39.8	37.6	84.1	104.0	99.5	79.6	117.2	126.1	115.0	66.4	59.7
82.5°	24.3	24.3	55.3	79.6	73.0	46.4	81.8	97.3	86.3	48.7	44.2
85°	13.3	15.5	26.5	39.8	42.0	31.0	44.2	53.1	53.1	31.0	31.0
87.5°	6.6	6.6	8.8	8.8	11.1	13.3	13.3	15.5	11.1	8.8	8.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)